
Central Valley Regional Water Quality Control Board

24 January 2020

PUBLIC NOTICE

CASE CLOSURE CONSIDERATION, UNDERGROUND STORAGE TANK RELEASE, VALLEY TRUCK WRECKING, 10764 SOUTH ALTA AVENUE, DINUBA, FRESNO COUNTY, RB CASE 5T10000255

To: Offsite Property Owners and Other Interested Persons,

This letter is to inform interested parties of the Central Valley Regional Water Quality Control Board's (Central Valley Water Board) consideration of closing the subject case, and to request comments from interested parties regarding the proposed closure at the above listed property (Site).

A 1,200-gallon diesel underground storage tank (UST), and a 1,200-gallon gasoline UST with associated dispensers, were removed from the Site during April 1990. Analytical results of soil samples collected during the UST removal indicated elevated concentrations of petroleum constituents in soil. In a letter dated 18 March 2004, the Fresno County Division of Environmental Health referred the case to the Central Valley Water Board for regulatory oversight.

From June 2009 through April 2018, multiple phases of Site investigations were conducted, including the installation of soil borings, six groundwater monitoring wells, three soil vapor extraction wells, and three soil vapor wells, to determine the extent of soil, soil gas, and groundwater contamination. Gasoline constituents were detected in soil samples to a depth of 50 feet below ground surface (bgs).

During a 5-day soil vapor extraction (SVE) pilot test conducted in October 2013, approximately 16.7 pounds of TPHg were removed. In May 2014, an additional 5-day SVE pilot test was conducted and approximately 543.7 pounds of TPHg and 75.1 pound of benzene, toluene, ethylbenzene, and xylene (BTEX) were removed. Since beginning of SVE remediation in February 2015, the cumulative destruction through January 2017, was approximately 3,895 pounds of TPHg. The SVE system was shut down due to low destruction rates.

Based on the historical groundwater monitoring data for three shallow and three deep wells, most of the constituents of concern in groundwater beneath the Site have been reduced significantly. The contaminant plume that exceeds water quality objectives is

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

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stable and decreasing in areal extent. Groundwater samples from all deep monitoring wells collected from September 2013 through May 2018, did not detect any petroleum constituents which could adversely affect groundwater quality.

To assess the potential for migration of hydrocarbon vapors from the underlying soils into the environment, soil gas monitoring point SVMP#1 was installed at the former UST location, and SVMP # 2 was installed next to the Site vacant building, south of the former UST location. Analytical results indicated concentrations of benzene, ethylbenzene, and naphthalene do not exceed the Policy screening criteria for commercial indoor air quality with a bio-attenuation zone.

In April 2018, one additional soil gas well SG-3 was installed near the Site office building to assess risk to indoor air quality. Based on four sampling events from April 2018 through September 2019, the soil gas results meet the Petroleum Vapor Intrusion to Indoor Air criteria contained in the Policy for benzene, ethylbenzene, and naphthalene.

However, in April 2018 and September 2019, tetrachloroethene (PCE) was detected in SG-3 at concentrations of 20 µg/m³ and 25 µg/m³, respectively. In November 2018 and April 2019, sample results indicated PCE at a concentration of <160 µg/m³ in SG-3, due to the elevated reporting limit. The detection of PCE in soil gas samples from SG-3 is thought likely from a source other than the former petroleum USTs at the Site. PCE concentration, and the associated human health risk assessment will be evaluated by the Central Valley Water Board, Site Cleanup Unit.

To assess Direct Contact and Outdoor Air Exposure in shallow soil, samples were collected from SVMP#1 at 5 and 8 feet bgs, and from SVMP#2 at 5 and 8.5 feet bgs. Based on the analytical results, the upper ten feet of soil does not contain petroleum hydrocarbons, and the release is not a threat to outdoor air or utility workers. Based on the Site assessment, the maximum concentrations of petroleum constituents remaining in soil should have no significant risk of adversely affecting human health.

The Site domestic well has been monitored for ten events from May 2014 through May 2018. Three offsite domestic wells were sampled on 20 June 2017, and two additional offsite domestic wells were sampled on 22 May 2018. Sample analytical results for the onsite and offsite domestic wells within 500 feet of the Site, did not indicate petroleum constituents that exceeded detection limits. At the Site, bottled water is used for drinking purposes, and the onsite domestic well is used for flushing toilets, pressure washer, steam cleaning and other related uses.

The contaminant plume poses a low threat, and Water Quality Objectives should be achieved in a reasonable time frame. The unauthorized release should not pose an environmental concern to public health or the environment. Natural attenuation and Site remedial activities have successfully remediated the release to the extent practicable.

The Site meets the petroleum vapor intrusion to indoor air criteria contained in the Policy. Shallow soil sampling and analysis conducted during the site investigation indicated that the Site satisfies the Policy's direct contact media-specific criteria.

The information presented for this case demonstrates compliance with the criteria contained in the Policy. The contaminant plume in groundwater appears to be stable and/or decreasing, and no further action regarding this release is necessary. Any remaining petroleum hydrocarbons should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. All technically and economically feasible cleanup has been completed.

The proposed closure is based on the Central Valley Water Board staff's conclusion that the case satisfies the criteria contained in the Policy.

This Public Notice has been transmitted to parties on the attached list, and is posted on the [Central Valley Water Board website](http://www.waterboards.ca.gov/centralvalley/public_notices/) (http://www.waterboards.ca.gov/centralvalley/public_notices/), under Public Notices, Underground Storage Tanks-Decisions Pending & Case Closures. Details of the Site assessment and cleanup are also available through the [State Water Board GeoTracker website](http://geotracker.waterboards.ca.gov/) (<http://geotracker.waterboards.ca.gov/>) by searching for case number **5T10000255**. This information may also be reviewed at the Central Valley Water Board office at 1685 E Street in Fresno, California.

You may participate in the case closure process by reviewing technical reports, asking questions, and providing comments. Comments regarding the proposed closure need to be submitted to the Central Valley Water Board office at the above listed address by **24 March 2020**.

Interested parties with questions or comments regarding the site or the proposed action should contact Khalid Durrani at the above address, by e-mail at khalid.durrani@waterboards.ca.gov, or by telephone at (559) 445-6191.

On completion of the public comment period and in the absence of substantive comment against closure being granted, Central Valley Water Board staff will proceed with the closure process for the case.